Contents Volume 25

Vol. 25, Nos. 1+2 (May 1993)

Transdermal enhancer patent literature
G.C. Santus (Milano, Italy) and R.W. Baker (Menlo Park, CA, USA) 1

Controlled buccal delivery of buprenorphine
J.P. Cassidy, N.M. Landzert and E. Quadros (Ardsley, New York, USA) 21

The influence of iso-propanol, *n*-propanol and *n*-butanol on stratum corneum lipid phase behavior
S.L. Krill (Illinois, USA), K. Knutson and W.I. Higuchi (Utah, USA) 30

Gentamycin/poly(lactic acid) blends aimed at sustained release local antibiotic therapy administered per-operatively. III. The case of gentamycin sulfate in films prepared from high and low molecular weight poly(DL-lactic acids)
J. Mauduit (Montpellier, France), N. Bukh (Hellerup, Denmark) and M. Vert (Montpellier, France) 43

In vitro phagocytosis assay of nano- and microparticles by chemiluminescence. II. Effect of surface modification by coating of particles with poloxamer on the phagocytic uptake
S. Rudt (Kiel, Germany) and R.H. Müller (Berlin, Germany) 51

Controlled release of albumin from biodegradable poly(DL-lactide) cylinders
X. Zhang, U.P. Wyss, D. Pichora, B. Amsden and M.F.A. Goosen (Kingston, Ontario, Canada) 61

Targetable photoactivatable drugs. 3. In vitro efficacy of polymer bound chlorin e_6 toward human hepatocarcinoma cell line (PLC/PRF/5) targeted with galactosamine and to mouse splenocytes targeted with anti-Thy 1.2 antibodies
B. Říhová (Prague, Czech Republic), N.L. Krinick and J. Kopeček (Salt Lake City, UT, USA) 71

Preparations of biodegradable nanospheres of water-soluble and insoluble drugs with D,L-lactide/glycolide copolymer by a novel spontaneous emulsification solvent diffusion method, and the drug release behavior
T. Niwa, H. Takeuchi, T. Hino, N. Kunou and Y. Kawashima (Gifu, Japan) 89

In vitro and in vivo evaluation of delayed-release behavior of diltiazem from its *O*-carboxymethyl-*O*-ethyl-*β*-cyclodextrin complex
K. Uekama, T. Horikawa, Y. Horiuchi and F. Hirayama (Kumamoto, Japan) 99

Preparation of egg albumin microparticles for oral application
M. Móra and J. Pató (Budapest, Hungary) 107

Amphiphilic networks. V. swelling and sustained release of poly(*N,N*-dimethylacrylamide)-*l*-polyisobutylene, poly(*N-N*-dimethylamino ethylmethacrylate)-*l*-polyisobutylene and poly(2-hydroxyethyl methacrylate)-*l*-polyisobutylene networks
B. Keszler, J.P. Kennedy and P.W. Mackey (Akron, USA) 115

In vitro phagocytosis assay of nano- and microparticles by chemiluminescence. IV. Effect of surface modification by coating of particles with poloxamine and Antarox CO on the phagocytic uptake
S. Rudt, H. Wesemeyer (Kiel, Germany) and R.H. Müller (Berlin, Germany) 123

Regulated release of drug microspheres from inflammation responsive degradable matrices of crosslinked hyaluronic acid
N. Yui, J. Nihira, T. Okano and Y. Sakurai (Tokyo, Japan) 133

The preparation of sub-200 nm poly(lactide-co-glycolide) microspheres for site-specific drug delivery
P.D. Scholes, A.G.A. Coombes, L. Illum, S.S. Davis (Nottingham, England, UK), M. Vert (Montpellier, France) and M.C. Davies (Nottingham, England, UK) 145

In vivo and in vitro release of ivermectin from poly(ortho ester) matrices. I. Crosslinked matrix prepared from ketene acetal end-capped prepolymer
C. Shih, J. Fix (Lawrence, KS, USA) and R.L. Seward (Woodbridge, NJ, USA) 155

News 163
Calendar 173

Vol. 25, No. 3 (June 1993)

Solute molecular size and transdermal iontophoresis across excised human skin
N.H. Yoshida (St. Lucia, Queensland, Australia) and M.S. Roberts (Brisbane, Queensland, Australia) 177

An investigation into the role of water movement and mucus gel dehydration in mucoadhesion
S.A. Mortazavi and J.D. Smart (Portsmouth, England, UK) 197

In vitro iontophoresis of isopropamide through rat skin and effect of ion-pair formation with organic anions
H.-A. Ahn, C.-K. Shim and C.-K. Kim (Seoul, South Korea) 205

Controlled release of indomethacin by chitosan-polyelectrolyte complex: optimization and in vivo/in vitro evaluation
S. Shiraishi, T. Imai and M. Otagiri (Kumamoto, Japan) 217

Site-specific delivery of ethanehydroxy diphosphonate from refillable polyurethane reservoirs to inhibit bioprosthetic tissue calcification
T.P. Johnston, C.L. Webb (Chicago, IL, USA), F.J. Schoen (Boston, MA, USA) and R.J. Levy (Ann Arbor, MI, USA) 227

Development of a reproduceable in vitro method for assessing the biodegradation of protein microspheres
G.A. Magee, N. Willmott and G.W. Halbert (Glasgow, Scotland, UK) 241

Book Review 249
News 251
Calendar 261
Author Index Vol. 25 265
Subject Index Vol. 25 267
Contents Vol. 25 269